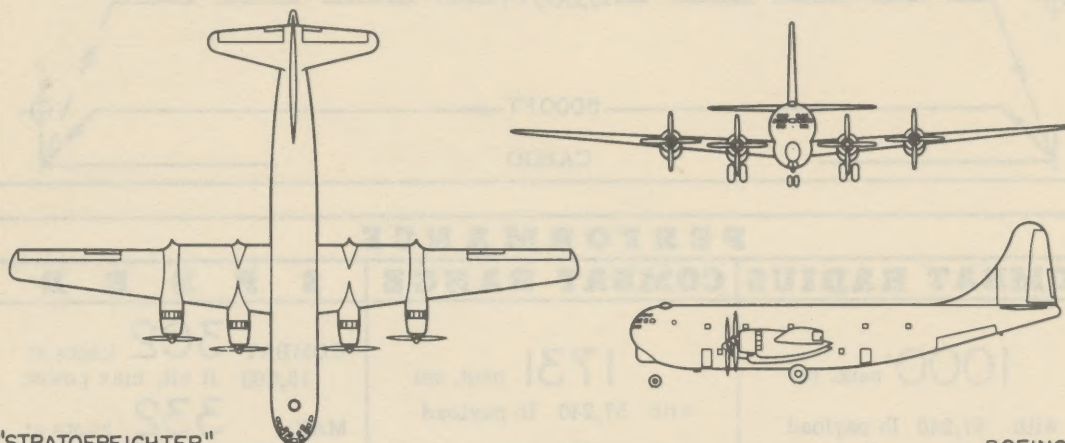


Characteristics Summary

TANKER (CARGO VERSION) KC-97F



"STRATOFREIGHTER"

BOEING

Wing Area 1768.7 sq ft Length 110.3 ft
 Height 38.3 ft
 Span 141.2 ft Height (Fin folded) 26.6 ft

AVAILABILITY

Number available

ACTIVE

RESERVE

TOTAL

PROCUREMENT

Number to be delivered in fiscal years

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

- Same as the KC-97E except for installation of R-4360-59B engines and other minor changes.
- This airplane is the same as the Tanker version except for removal of the refueling equipment and installation of the cargo conversion kit.
- First Flight: Feb 52
- First Acceptance: Mar 52
- Production Completed: May 53

Navy Equivalent: None

Mfr's Model: 367-76-29

POWER PLANT

(4) R-4360-59B
Pratt & Whitney

ENGINE RATINGS

BHP - RPM - ALT-MIN

T.O: *3500-2700- 500 -5

Mil: *3500-2700- 500 -30
3250-2700-1000 -30

Nor: 2650-2550- 5500 -Cont

*Wet

Note: Increased altitude performance is available through use of external turbo supercharging.

FEATURES

Fuselage Pressurization

Thermal Anti-icing

Folding Fin & Rudder

Reverse Pitch Props

Cargo Hoist System

Single-Point Refueling

Double Deck Type Fuselage

Integral Loading Ramp

GENERAL

Crew (normal) 5

Troops 130

or

Litters 79

plus

Attendants 4

or

Max Cargo . . . *64,500 lb

Main Compartment:

Volume 4309 cu ft

Floor Area . . . 559 sq ft

Lower Compartment:

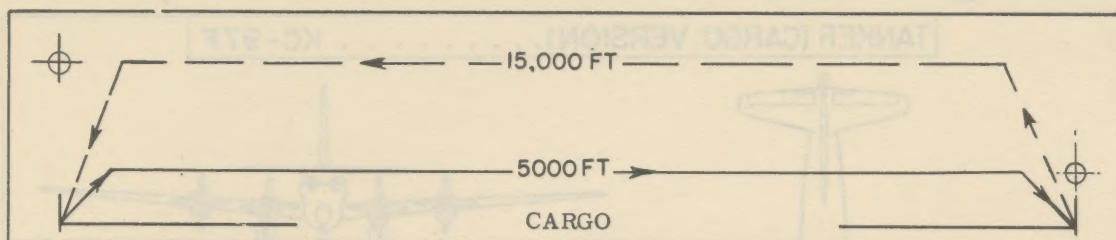
Volume 1818 cu ft

Floor Area . . . 257 sq ft

Max Fuel Cap: . . . 7790 gal

*Limited by strength

Characteristics Summary Basic Mission KC-97F



PERFORMANCE

COMBAT RADIUS	COMBAT RANGE	S P E E D	
1000' naut. mi with 57,240 lb payload at 197 knots avg. in 10.2 hours.	1731 naut. mi with 57,240 lb payload at 204 knots avg. in 8.5 hours	COMBAT 302 knots at 15,000 ft alt, max power	
		MAX 332 knots at 26,000 ft alt, max power	
		BASIC 284 knots at 5000 ft alt, max power	
C L I M B	C E I L I N G	T A K E - O F F	
575 fpm sea level, take-off weight normal power	22,500 ft 100 fpm, take-off weight normal power	ground run 6500 ft no assist	ft assisted
2600 fpm sea level, combat weight maximum power	30,000+ ft 500 fpm, combat weight maximum power	over 50 ft height 8150 ft no assist	ft assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D	
Cargo: 57,240 lb	Empty..... 78,199 lb	108 knots power-off, landing configuration, take-off weight	
Fuel: 5515 gal	Combat... 98,510 lb	TIME TO CLIMB	
protected 0 %	Take - off 175,000 lb		
droppable 0 %	limited by strength		
external 0 %			

N O T E S

- Performance Basis:
 - Flight test
 - Max power same as normal power above 7800 ft.
- Revision Basis: To revise security classification and guaranteed engine ratings.